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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

**Complete if Known**

Application Number	10/623,395
Filing Date	7-18-2003
First Named Inventor	Hu, Michael Z.
Art Unit	
Examiner Name	

Case Number: 1066.0

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	8.24.2005
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Translation is attached.  
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Comptroller for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT BY APPLICANT

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Sheet

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First Named Inventor Hu, Michael Z.

Art Unit

Examiner Name

Attorney Docket Number 1066.0

Sheet	2	of	6	Attorney Docket Number	1066.0
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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
TX	4	MAHANDRIMANANA, A. et al., "Nonhydrolytic Sol-Gel Process: Aluminum and Zirconium Titanate Gels," 1997, p. 89-93, 8	—
TSK	5	MAHANDRIMANANA, A. et al., "Non-hydrolytic Sol-Gel Process: Zirconium Titanate Gels," J. Mater. Chem., 1997, pp.279-284, 7(2)	—
TSK	6	AZOUGH, F. et al., "The Relationship Between the Microstructure and Microwave...," J. Mater. Sci., 1996, p. 2539-2549, 31	—
DL	7	BATEMAN, C. et al., "CAD Representation of the Systems ZrO <sub>2</sub> -MgO-TiO <sub>2</sub> and...," Physica B, 1988, p. 122-128, 150	—
TX	8	BIANCO, A. et al., "Zirconium Titanate: from Polymeric Precursors to Bulk Ceramics," J. Eur. Cer. Soc., 1998, p. 1235-1243, 18	—
TSK	9	BIANCO, A. et al., "Zirconium Titanate Microwave Dielectrics Prepared via Polymeric Precursor Route," J. Eur. Cer. Soc., 1999, p. 959-963, 19	—
TX	10	BHATTACHARYA, A. et al., "Low-temperature Synthesis and Characterisation of Crystalline Zirconium Titanate Powder," Mat. Lett. 1994, p. 247-250, 18	—
TSK	11	BHATTACHARYA, A. et al., "Inorganic Sol Gel Synthesis of Zirconium Titanate Fibres," J. Mater. Sci., 1996, p. 5583-5586, 31	—
TSK	12	BHATTACHARYA, A. et al., "Sol Gel Preparation, Structure and Thermal Stability...," J. Mater. Sci., 1996, p. 267-271, 31	—
TX	13	BONHOMME-COURY, L. et al., "Preparation of Al <sub>2</sub> TiO <sub>5</sub> -ZrO <sub>2</sub> Mixed Powders via Sol-Gel Process, J. Sol Gel Sci. & Technol., 1994, p. 371-375, 2	—

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TSK	14	CHEN, D. et al., "Hydrothermal Synthesis and Characterization of Crystalline ZrxTi1-xO4...," J. Mater. Sci. 1999, 1379-1383, 34	—
TSK	15	CERQUEIRA, M. et al., "Synthesis and Characterization of PLZT (9/65/35) by the Pechini Method and Partial Oxalate," Mater. Lett., 1998, 166-171, 35	—
TSK	16	CERQUEIRA, M. et al., "Synthesis of Ultra-fine Crystalline ZrxTi1-xO4 Powder by Polymeric Precursor Method," Mater. Lett., 1995, 181-185, 22	—
TSK	17	ELLIS, S. et al., "Powder Synthesis Research at CAMP," Cer. Bull., 1989. 988-994, 68	—
TSK	18	HIRANO, S. et al., "Chemical Processing and Microwave Characteristics...," J. Am. Ceram. Soc., 1991, 1320-24, 74	—
TSK	19	HU, M. et al., "Sol-Gel and Ultrafine Particle Formation via Dielectric Tuning of Inorganic Salt...," J. Colloid Inter. Sci., 2000, 20-36, 222	—
TSK	20	HU, M. et al., "Wet-chemical Synthesis of Monodispersed Barium Titanate Particles...," J. Powder Technol., 2000, 2-14, 110	—
TSK	21	HU, M. et al., "Homogeneous (co)precipitation of Inorganic Salts for Synthesis...," J. Mater. Sci., 2000, 2927-2936, 35	—
TSK	22	IKAWA, H. et al., "X-ray Photoelectron Spectroscopy Study of High and Low-Temperature Forms...," J. Am. Ceram. Soc., 1991, 1459-62, 74	—
TSK	23	IKAWA, H. et al., "Phase Transformation and Thermal Expansion...," J. Am. Ceram. Soc., 1988, 120-27, 71 (2)	—

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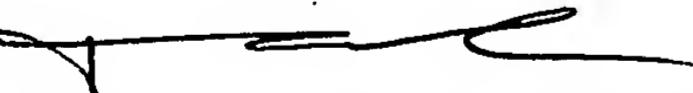
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TSK	24	ISOBE, T. et al., "Mechanochemical Synthesis of ZrTiO <sub>4</sub> Precursor From Inhomogeneous Mixed Gels," Mater. Res. Soc. Symp. Proc., 1994, 273-77, 346	—
TSK	25	KARAKCHIEV, L. et al., "Low-Temperature Synthesis of Zirconium Titanate," Inorg. Mater., 2001, 386-390, 37	—
TSK	26	KHAIRULLA, F. et al., "Chemical Synthesis and Structural Evolution of Zirconium Titanate, Mater. Sci. Eng., 1992, 327-336, B12	—
TSK	27	KOMARNENI, S. et al., "Sol-Gel Processing of Some Electroceramic Powders," J. Sol-Gel Sci. Technol., 1999, 263-270, 15	—
TSK	28	KREBS, M. et al., "A Raman Spectral Characterization of Various Crystalline Mixtures...," J. Mater. Sci. Lett., 1988, 1327-1330, 7	—
TSK	29	LEITE, E. et al., "Particle Growth During Calcination of Polycation Oxides Synthesized by the Polymeric Precursors Method," J. Am. Ceram. Soc. 1997, 2649-57, 80	—
TSK	30	LEONI, M. et al., "Aqueous Synthesis and Sintering of Zirconium Titanate Powders for Microwave Components," J. Eur. Ceram. Soc., 2001, 1739-41, 21	—
TSK	31	LESSING, P., "Mixed-Cation Oxide Powders via Polymeric Precursors," Ceram. Bull., 1989, 1002-06, 68(5)	—
TSK	32	MACIAS, L. et al., "Kinetic Study of Crystallization in Zirconium Titanate from an Amorphous Reactive Prepared Precursor," J. Non-Crys. Solids, 1992, 262-65, 147&148	—
TSK	33	McHALE, A. et al., "Low-Temperature Phase Relationships in the System ZrO <sub>2</sub> -TiO <sub>2</sub> , J. Am. Ceram. Soc., 1986, 827-32, 69.	—

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Sheet

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TSK	34	MONTANARO, L. et al., "Preparation of Microspheres from an Alumina-Zirconia Sol," Ceram. Bull., 1989, 1017-20, 68(5)	—
TSK	35	MOON, Y. et al., "Preparation of Monodisperse ZrO <sub>2</sub> by the Microwave Heating of Zirconyl Chloride Solutions," J. Am. Ceram. Soc., 1995, 1103-1106, 78	—
TSK	36	NAVIO, J. et al., "Heterogeneous Photocatalytic Oxidation...," New Developments in Selective Oxidation II, 1994, 721-721, 82	—
TSK	37	NAVIO, J. et al., "Photocatalysed Oxidation...," Heterogeneous Catalysis and Fine Chemicals III, 1993, 431-437, 78	—
TSK	38	NAVIO, J. et al., "Formation of Zirconium Titanate Powder from a Sol-Gel Prepared Reactive Precursor," J. Mater. Sci., 1992a, 2463-2467, 27	—
TSK	39	NAVIO, J. et al., "On the Influence of Chemical Processing in the Crystallization...," J. Mater. Sci. Lett., 1992, 1570-1572, 11	—
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TSK	41	PARK, H. et al., "Effect of Solvent on Titania Particle Formation and Morphology in Thermal Hydrolysis of TiCl <sub>4</sub> ," J. Am. Ceram. Soc., 1997, 743-49, 80(3)	—
TSK	42	SANCHEZ, P. et al., "Thermal Evolution of TiO <sub>2</sub> -ZrO <sub>2</sub> Composites Prepared by Chemical Coating Processing," Mater. Lett., 1994, 339-344, 20	—
TSK	43	SEKAR, M. et al., "Hydrazine Carboxylate Precursors to Fine Particle...," Mat. Res. Bull., 1993, 485-492, 28	—

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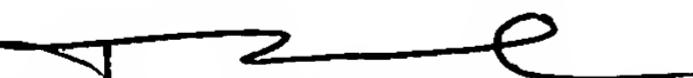
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TK	44	SHAM, E. et al., "Zirconium Titanate from Sol-Gel Synthesis: Thermal Decomposition and Quantitative Phase Analysis," J. Solid State Chem., 1998, 225-32, 139	—
TK	45	STUBICAR, M. et al., "Synthesis of ZrTiO <sub>4</sub> Powder from Equimolar ZrO <sub>2</sub> Powder Mixture by High Energy...," Metalurgija, 1999, 59-62, 38(2)	—
TK	46	SYAMAL, A., "Hydrazine Carboxylate Precursors to Fine Particle Titania, Zirconia, and Zirconium Titanate," Mater. Res. Bull., 1994, 1001-1003, 29(9)	—
TK	47	XU, J. et al., "X-ray Diffraction and X-ray Absorption Spectroscopy...," Chem. Mater., 2000, 3347-3355, 12	—
TK	48	YAMAGUCHI, O. et al., "Formation of Zirconia Titanate Solid from Alkoxides," J. Am. Ceram. Soc., 1989, 1065-66, 72(6)	—
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TK	50	BIANCO, A. et al., "Zirconium Tin Titanate Thin Films via Aqueous Polymeric Precursor Route," Mater. Sci. & Eng. C, 2001, 211-213, 15	—
TK	51	RENGAKUJI, S. et al., "Preparation and Hydrocarbon Sensing Properties of Ti-Zr-O Thin Films," Electrochemistry (Technical Paper), 2001	—
TK	52	STUBICAR, M. et al., "Microstructure Evolution of an Equimolar Powder Mixture of ZrO <sub>2</sub> -TiO <sub>2</sub> ...," J. Alloys and Compounds, 2001, 316-320, 316	—
TK	53	HU, M., High-Tech. Alert, 1998, 1, 15(2)	—

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